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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/618,038	07/11/2003	Shun-Chih Chen	03173-URL	4125

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SUPREME PATENT SERVICES
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SARATOGA, CA 95070-0339

EXAMINER
LIE, ANGELA M

ART UNIT	PAPER NUMBER
2821	

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/618,038	CHEN ET AL.
	Examiner	Art Unit	
	Angela M. Lie	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _30 November 2005_.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-5,7,9 and 10_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☒ Claim(s) _1-5,7 and 9_ is/are allowed.

6) ☒ Claim(s) _10_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on _11 July 2003_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

TAN HO
PRIMARY EXAMINE·

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2.   Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Laksano

(US 20030152148). Laksano discloses a video decoder (Figure 1, element 110) and

computer display interface (page 5, paragraph 53, lines 1-4; inherently in order to

display processed data, there has to be a computer interface) for receiving video input

and VGA input (paragraph 3, lines 2-3) and generating formatted data (wherein the

video decoder taught by Laksano is capable of performing this functions, paragraph 44,

lines 1-4); an address and data generator (paragraph 32, lines 9-11; wherein in order to

generate motion vector address and direction of motion has to be known) for receiving

the formatted data and generating a plurality of data sets including coordinate data and

lighting data (data quantization information, paragraph 36, lines 1-8); a memory

(paragraph 34, lines 17-19, wherein the memory is capable of storing coordinate data)

having an address area for storing coordinate data and a lighting data area for storing

the lighting data; a pre-sequenced coordinate data (paragraph 32, lines 9-11) of lighting

bulbs or dots in a present sequence ; and a microprocessing unit (paragraph 32, lines 2-

7) for reading the coordinate data of lighting bulbs in the pre-sequenced coordinate

table in a sequential order, finding the lighting data corresponding to the coordinate data

of lighting bulbs from the lighting data area (since the motion vectors are calculated and

the output is connected to the plurality of display elements (page 5, paragraph 53, lines

1-4)), and generating output lighting data; wherein the coordinate data in the pre-

sequenced coordinate table is downloaded from an RS-232 serial, a parallel port, a

USB or IEEE1394 interface, from memory devices such as ROM, EPROM, EEPROM,

flash or other memory cards, or input from a keyboard (wherein Laksano teaches that

video data is received via media port which has to be either serial or parallel port; claim

22, line 2). Laksono does not specifically state that his device has both video and VGA

inputs, however he states that the input is an analog video type (paragraph 3, lines 2-3),

and that the received information is decoded and video image is created in the memory

(paragraph 34, lines 4-8). It would have been obvious to one of the ordinary skill in the

art during the time the invention was made that Laksono receives both video and VGA

inputs in order to create a video image. Both address (part of motion vector) and color

data have to be inherently supplied in order to create an image, therefore even though

Laksono does not explicitly state that his device has both video and VGA inputs, it has

to have an equivalence of those inputs, because his device is capable of decoding an

analog video signal and then creating and displaying an image.

Allowable Subject Matter

3.   Claims 1-5, 7 and 9 are allowed.

4.   The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art fails to teach a digital lighting controller with video capability comprising: a video decoder and computer display interface, an address and data generator, a memory, a pre-sequenced coordinate table, a microprocessing unit, wherein all the elements listed above are connected in the manner as disclosed in claim 1, and wherein the controller has a pixel sharing algorithm for increasing resolution of the output lighting data.

As to claims 2-5, 7 and 9, those claims are allowed by the virtue of their dependency on claim 1.

5.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

The Prior Art

6.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

-       US Patent 5684538 discloses a video coding method comprising: coordinate memory, video input interface, a video decoder, however the details of operation of this set up are different than the claimed invention.

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela M. Lie whose telephone number is 571-272-8445. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Angela M Lie

TAN HO
PRIMARY EXAMINER